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MONTANA OIL AND GAS STATISTICAL BULLETIN

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GEOLOGIST

OIL AND GAS CONSERVATION COMMISSION
SECURITIES BLDG.
HELENA, MONTANA

VOL. VI, No. 8 McKEE PRINT. August, 1958

Production of crude oil and condensate from the oil and gas areas of Montana for the month of August, 1958, averaged 75,850 barrels daily, a decrease of 1,401 barrels from the average July production of 77,251.

The ten refineries in the State processed 72,454 barrels of crude oil daily for the month of August, 1958, an increase of 5,732 barrels daily from the 66,722 barrels processed daily during the month of July, 1958.

During August, 30 wells were completed, 15 oil, 0 gas wells and 15 dry holes.

During August, the Commission issued 29 permits to drill new wells, an increase of 4 from the 25 permits issued during July.

SUMMARY OF CRUDE OIL PRODUCTION, REFINING STORAGE, ETC., IN MONTANA

MONTH OF AUGUST, 1958

IN STORAGE AUGUST 1st:	
By Producers	342,199
By Transporters	680,152
By Refiners	595,813
TOTAL STORAGE	1,618,164
Produced in Montana During Month	2,351,355
Imported During Month	1,591,243
TOTALS	5,560,762
DISPOSITION:	
Refined in Montana	2,246,098
Exported	1,756,386
Used for Fuel or Lost	8,090
TOTAL	4,010,574
IN STORAGE AUGUST 31st:	
By Producers	371,424
By Transporters	651,924
By Refiners	526,840
TOTAL STORAGE	1,550,188

NATURAL GAS WITHDRAWALS IN MONTANA

Month of August, 1958

Field	M Cu. Ft.
Bears Den	4,362
Big Coulee	31,093
Bowdoin	32,338
Bowes	9,662
Box Elder	5,112
Cabin Creek	63,166
Cedar Creek	100,310
Cut Bank (Including Reagan)	512,603
Devon	39,545
Dry Creek	87,529
Elk Basin	36,578
Flat Coulee	11,208
Golden Dome	4,617
Hardin	2,682
Keith Block	2,787
Kevin Sunburst	37,019
Pine	85,941
Plevna	18,641
Utopia	16,022
Whitlash	20,103
Miscellaneous	74,198
TOTAL	1,195,516

Total Withdrawals for August, 1957 were 1,345,390 M Cu. Ft.

PRODUCER'S REPORT

MONTH OF AUGUST, 1958

Leases Operated	Field	No. of Wells	Storage First of Month	Oil Produced	Oil Shipped By Pipeline	Oil Shipped By Truck	Used or Lost	Storage End of Month
1	Ash Creek	4	937	2,520	.....	2,664	.....	793
4	Bannatyne	4	798	489	.....	20	.....	1,267
1	Belfry	....	45	.....	.....	.....	.....	45
10	Big Wall	26	5,637	17,690	.....	17,766	146	5,415
9	Blackfoot	13	1,890	10,516	.....	10,619	.....	1,787
18	Bowes	65	10,754	21,597	22,735	.....	.....	9,616
1	Bredette	1	1,848	651	826	.....	.....	1,673
4	North Bredette	4	2,961	12,774	12,367	.....	36	3,332
1	Brorson	1	1,837	1,893	1,779	.....	.....	1,951
2	Bynum	2	362	280	.....	.....	.....	642
7	Cabin Creek	88	10,978	384,256	378,183	.....	1,158	15,893
30	Cat Creek	87	4,803	13,235	12,095	.....	.....	5,943
1	Clark's Fork	1	666	173	.....	750	.....	89
3	Clark's Fork North	5	5,352	12,038	.....	11,705	.....	5,685
2	Cupton	2	862	1,698	1,449	.....	.....	1,111
356	Cut Bank	1,151	114,966	178,655	169,999	.....	20	123,602
3	Deer Creek	4	1,899	9,545	9,135	.....	.....	2,309
3	Delphia	3	1,093	2,092	.....	1,823	.....	1,362
5	Devil's Basin	7	1,006	1,443	.....	1,688	16	745
5	Dry Creek	5	1,323	6,228	6,410	.....	.....	1,141
20	Elk Basin	57	6,796	281,633	279,529	.....	.....	8,900
2	Fertile Prairie	3	1,242	1,431	999	.....	.....	1,674
2	Frannie	2	334	3,268	3,160	.....	.....	442
1	Gage	1	816	133	.....	660	.....	289
3	Gas City	12	4,156	23,533	24,124	.....	.....	3,565
6	Glendive	12	4,958	50,127	46,273	.....	.....	8,812
5	Ivanhoe	13	4,090	23,314	.....	22,917	.....	4,487
219	Kevin-Sunburst	1,472	17,599	74,607	74,304	.....	86	17,816
2	Lake Basin	2	498	.....	.....	.....	1	497
1	Line Coulee	1	966	3,390	3,188	.....	.....	1,168
1	Little Beaver	7	2,358	14,169	13,789	.....	.....	2,738
4	East Little Beaver	4	2,182	6,222	6,450	.....	.....	1,954
5	Melstone	8	2,983	11,023	.....	9,859	.....	4,147
3	Mosser	8	2,872	1,186	.....	2,332	.....	1,726
10	Outlook Area	13	10,362	44,244	.....	40,369	.....	14,237
11	Pennel	22	5,157	49,773	47,113	.....	.....	7,817
6	Pine	131	21,667	453,740	454,867	.....	824	19,716
81	Pondera	347	10,534	47,216	48,512	.....	.....	9,238
11	East Poplar	100	22,573	323,364	314,637	7,529	74	23,697
3	Northwest Poplar	4	380	2,163	1,268	.....	.....	1,275
3	Ragged Point	7	3,391	11,143	.....	11,842	.....	2,692
1	Rattlesnake Butte	1	223	130	.....	311	.....	42
4	Reagan	44	2,650	15,490	14,942	.....	.....	3,198
1	Repeat	1	748	4,209	4,093	.....	.....	864
5	Richey	9	3,988	9,637	9,736	.....	.....	3,889
2	Snyder	4	881	2,596	.....	2,442	.....	1,035
3	Soap Creek	12	6,350	5,224	.....	3,247	.....	8,327
1	Southwest Richey	2	1,099	4,007	4,427	.....	.....	679
22	Sumatra	67	14,975	145,884	146,193	.....	204	14,462
3	Sweetgrass Hills	3	711	472	.....	366	14	803
10	Whitlash	31	7,068	6,847	4,927	.....	1,202	7,786
9	Wolf Springs	20	6,231	50,819	49,142	.....	12	7,896
2	Woodrow	2	844	2,588	2,777	.....	.....	655
....	Yellowstone	....	500	.....	.....	.....	.....	500
928		3,895	342,199	2,351,355	2,169,423	148,909	3,793	371,424

Total Oil Produced and Shipped from Lease	Bbls. Produced	Daily Average	Bbls. Shipped	Daily Average
Year, 1957	27,121,962	74,306	27,037,808	74,076
First Quarter, 1958	6,728,571	74,761	6,644,211	73,824
Second Quarter, 1958	6,951,369	76,388	6,965,486	76,543
July, 1958	2,394,793	77,251	2,401,420	77,465
August, 1958	2,351,355	75,850	2,318,337	74,785

Oil in Storage	In Producers Field Tanks	In Transporters Storage	In Refiners Storage*	Total Oil in Storage*
December, 1957	319,586	745,067	776,264	1,804,917
March, 1958	380,210	712,578	601,535	1,694,323
June, 1958	351,180	624,029	526,399	1,501,608
July, 1958	342,199	680,152	595,813	1,618,164
August, 1958	371,424	651,924	526,840	1,550,188

*Includes Wyoming Oil.

TRANSPORTERS REPORT

MONTH OF AUGUST, 1958

	Storage First Of Month	OIL RECEIVED BY			Loss or Gain	OIL SHIPPED TO			Storage End of Month
		Pipeline	Truck	Connecting Carrier		Montana	Other States	Connecting Carrier	
ASH CREEK—Truck			2,664				2,664		
BANNATYNE—Truck			20			20			
BIG WALL—Truck			17,766				17,766		
BLACKFOOT—Union Oil Co.			10,619			10,619			
BOWES—									
Trigood Oil Co.	7,756	807							8,563
The Texas Co.		22,735				22,735			
	7,756	23,542				22,735			8,563
BRORSON—Sun Oil Co.		1,779					1,779		
CABIN CREEK & OTHERS*									
Butte Pipe Line Co.	302,016	875,509		475,007	23		1,346,385		306,124
Shell Pipe Line Corp.	6,715	97,353			178			99,381	5,509
	308,731	972,862		475,007	201		1,346,385	98,381	311,633
CAT CREEK—									
Continental Pipe Line Co.	7,887	8,892			24	13,428			3,327
Wm. Hanlon			2,988			2,988			
	7,887	8,892	2,988		24	16,416			3,327
CLARK'S FORK—Truck			12,455			805	11,650		
CUT BANK—									
Big West Oil Co.		1,058		21,397		22,455			
Darling Gathering System Inc.	1,563	5,932						5,700	1,800
Phillips Petroleum Co.	49,294	34,232		18,606	345			51,589	50,193
Texas Pipe Line Co.	36,852	39,469		19,980	70	40,775		30,295	25,161
Toronto Pipe Line Co.	33,183	47,757			(7)			58,720	22,227
Union Oil Co.	173,255	23,822		37,193	295	59,260			174,715
	294,152	152,270		97,176	703	122,490		146,304	274,101
DEVILS BASIN—Truck			1,688			1,688			
DELPHIA—Truck			1,823			1,823			
DRY CREEK—Ohio Oil Co.	8,527	6,586			(13)	7,001			8,125
ELK BASIN—Ohio Oil Co.		279,529				2,507	277,022		
FRANNIE—Ohio Oil Co.		3,160					3,160		
GAGE—Truck			660			660			
GLENDIVE, DEER CREEK & WOODROW—									
The Texas Pipe Line Co.	7,135	58,178			769		22,763	31,780	10,001
IVANHOE—Truck			22,917			2,883	20,034		
KEVIN-SUNBURST—									
Big West Oil Co.	2,191	45,445				44,791			2,845
Homestake Oil & Gas Co.	1,230	2,350		5,700		7,913			1,367
The Texas Pipe Line Co.	4,082	37,645			241	37,404			4,082
	7,503	85,440		5,700	241	90,108			8,294
MELSTONE—Truck			9,859			9,859			
MOSSER—Truck			2,332				2,332		
PONDERA—Phillips Petr. Co.	14,179	48,328		43,151	1,708	91,965			11,985
POPLAR, BREDETTE, OUTLOOK & LINE COULEE—									
East Poplar Gathering System	17,364	334,748			(1,320)			344,846†	8,586
Truck			47,898				47,898		
	17,364	334,748	47,898		(1,320)		47,898	344,846	8,586
RAGGED POINT—Truck			11,842			11,842			
RATTLESNAKE BUTTE—Truck			311				311		
REAGAN—Union Oil Co.		14,942				14,942			
SNYDER—Truck			2,442				2,442		
SOAP CREEK—Truck			3,247			3,247			
SUMATRA—									
Powder River Pipe Line Inc.	6,524	142,280			712	146,013			2,079
Truck			180				180		
	6,524	142,280	180		712	146,013	180		2,079
SWEETGRASS HILLS—Truck			366			366			
WHITLASH—									
Homestake Oil & Gas Co.				3,667	(6)	3,673			
Western Natural Gas Co.	394	4,592			(354)			3,390	1,950
	394	4,592		3,667	(360)	3,673		3,390	1,950
WOLF SPRINGS—									
Powder River Pipe Line Co.		49,001			469	45,252			3,280
TOTALS	680,152	2,186,129	152,077	624,701	3,134	606,914	1,756,386	624,701	651,924

*Cabin Creek, Cupton, Fertile Prairie, Gas City, Little Beaver, East Little Beaver, Pennel, Pine, Repeat, Richey and Southwest Richey Fields.

†Transferred to Butte Pipe Line Company.

BARRELS OF CRUDE OIL REFINED IN MONTANA

MONTH OF AUGUST, 1958

Field	Big West Oil Co.	Carter Oil Co.	Continental Oil Co.	Diamond Asphalt Co.	Farmers Union	Jet Fuel Refinery	Phil. Petr. Co.	The Texas Co.	Texas Calgary Co.	Union Oil Co.	Total by Fields
Big Wall	.....	.....	.....	.....	2,375	.....	.....	.....	.....	.....	2,375
Blackfoot	.....	.....	.....	.....	.....	.....	.....	.....	.....	7,657	7,657
Bowes	.....	.....	.....	18,768	.....	.....	625	.....	.....	.....	19,393
Cat Creek	.....	.....	13,357	.....	.....	3,307	.....	.....	.....	.....	16,664
Clark's Fork	.....	.....	.....	.....	805	.....	.....	.....	.....	.....	805
Cut Bank	23,116	.....	.....	.....	.....	.....	42,821	21,742	.....	86,038	173,717
Delphia	.....	.....	.....	.....	.....	3,730	.....	.....	.....	.....	3,730
Dry Creek	.....	.....	.....	.....	6,572	.....	.....	.....	.....	.....	6,572
Elk Basin	.....	139,302	62,833	.....	.....	.....	.....	.....	.....	.....	202,135
Gage	.....	.....	.....	.....	659	.....	.....	.....	.....	.....	659
Ivanhoe	.....	.....	.....	.....	.....	2,379	.....	.....	.....	.....	2,379
Kevin-Sunburst	23,294	.....	.....	.....	.....	.....	.....	21,976	.....	.....	45,270
Melstone	.....	.....	.....	.....	6,253	.....	.....	.....	.....	.....	6,253
Pondera	.....	.....	.....	.....	.....	.....	50,736	.....	.....	.....	50,736
Ragged Point	.....	.....	.....	.....	2,175	.....	.....	.....	.....	.....	2,175
Reagan	.....	.....	.....	.....	.....	.....	.....	.....	.....	14,942	14,942
Soap Creek	.....	.....	.....	.....	.....	.....	.....	.....	3,824	.....	3,824
Sumatra	.....	.....	579	.....	53,222	.....	.....	.....	.....	.....	53,801
Sweetgrass Hills	537	.....	.....	.....	.....	.....	.....	.....	.....	.....	537
Whitlash	.....	.....	.....	.....	.....	.....	.....	.....	.....	1,222	1,222
Wolf Springs	.....	52,770	.....	.....	.....	.....	.....	.....	.....	.....	52,770
Total Montana Oil	46,947	192,072	76,769	18,768	72,061	9,416	94,182	43,718	3,824	109,859	667,616
Canadian Oil Imported	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Wyoming Oil Imported	.....	805,264	287,677	.....	485,541	.....	.....	.....	.....	.....	1,578,482
TOTAL Mont., Canadian and Wyoming Oil	46,947	997,336	364,446	18,768	557,602	9,416	94,182	43,718	3,824	109,859	2,246,098

AVERAGE BARRELS PER DAY

	Montana	Canada	Wyoming	TOTAL
Year, 1957	25,264	575	37,438	63,277
August, 1957	26,521	209	45,276	72,006
August, 1958	21,536	.....	50,918	72,454

PERCENTAGE OF CRUDE OIL REFINED

Montana	Canada	Wyoming
40.13%	.40%	59.47%
36.83%	.29%	62.88%
29.72%		70.28%